The American Association of State Highway Officials was organized in 1914. It is composed of the State Highway Departments of all of the States, the District of Columbia and the Hawaiian Islands, and the U. S. Bureau of Public Roads. The Association has its general offices in Washington, D. C., and is a clearing house for statistical information concerning the activities of these departments in their various responsibilities.

The National Conference on Street and Highway Safety is a cooperative organization, under the chairmanship of the Secretary of Commerce, sponsored by the U. S. Bureau of Public Roads, American Association of Motor Vehicle Administrators, American Automobile Association, American Mutual Alliance, American Transit Association, Association of American Railroads, Automobile Manufacturers Association, Chamber of Commerce of the United States, National Bureau of Casualty and Surety Underwriters and National Safety Council. The Conference has held four general meetings, in 1924, 1926, 1930 and 1934, attended by representatives of federal, state and municipal traffic authorities, traffic and safety engineers, bus and truck operators, manufacturers and distributors of motor vehicles, equipment and supplies, railroad and transit companies, insurance interests, educators and civic organizations.

Manual on

Uniform Traffic Control Devices

for

Streets and Highways

Approved as an American Standard
American Standards Association
November 7, 1935

American Association of
State Highway Officials

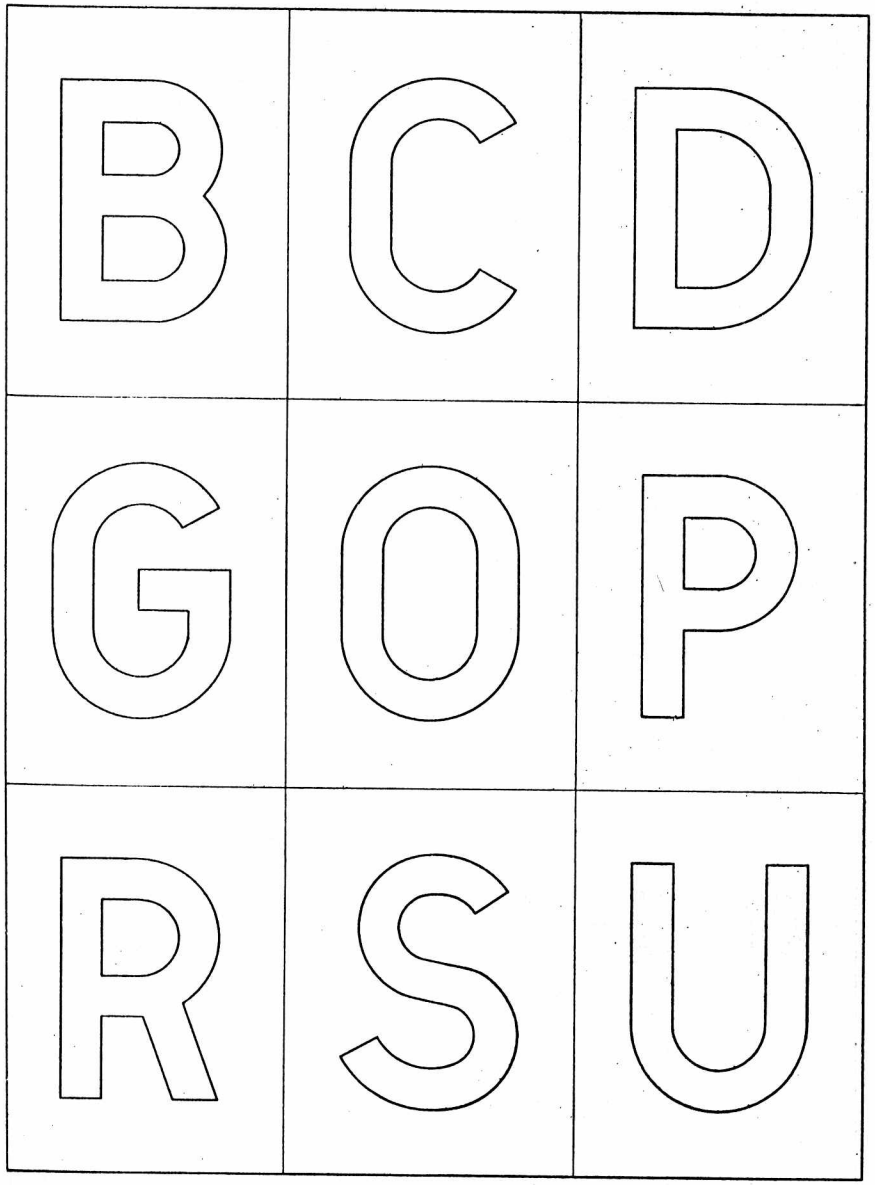
National Conference on Street
and Highway Safety

WASHINGTON, D. C.
November, 1935

Fig. 130

ROUNDED LETTERS

Optional where dies are not involved



A 71-a

(See A 71-a Appendix D)

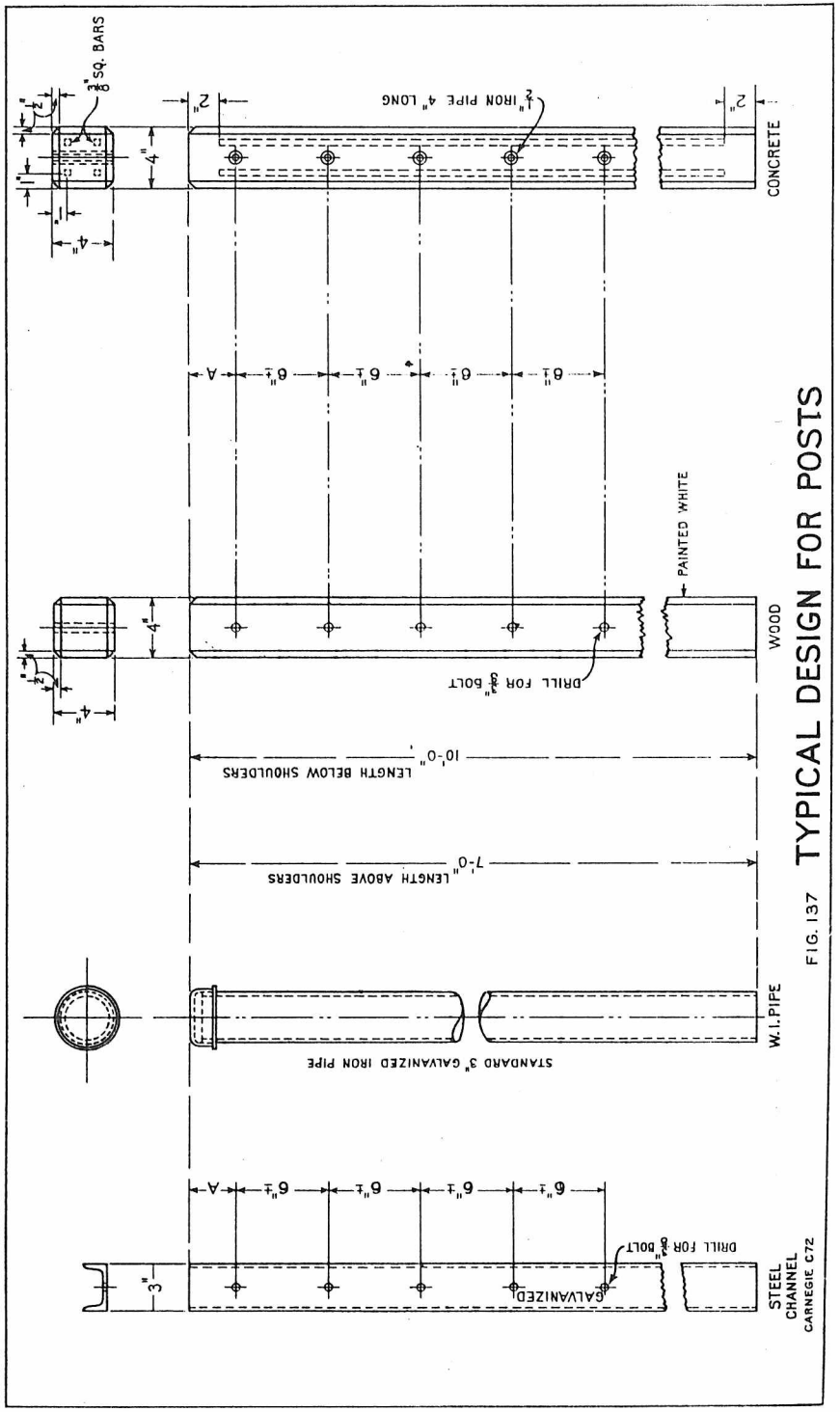


FIG. 137 TYPICAL DESIGN FOR POSTS

Fig. 141-b

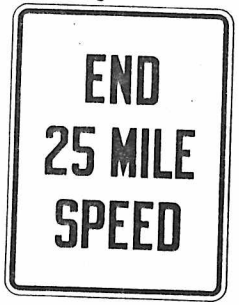
5/16 320%

1/4 400%

Fig. 141-c

1/4

Fig. 141-a



1/4

Fig. 141-e

1/4

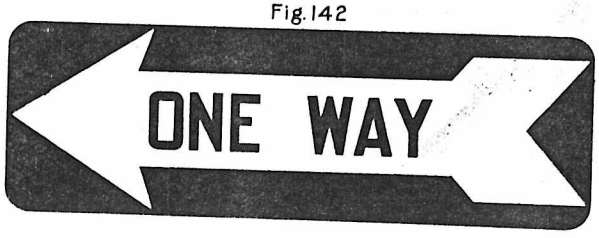
Fig. 141-f

3/16 533%

Fig. 141-d

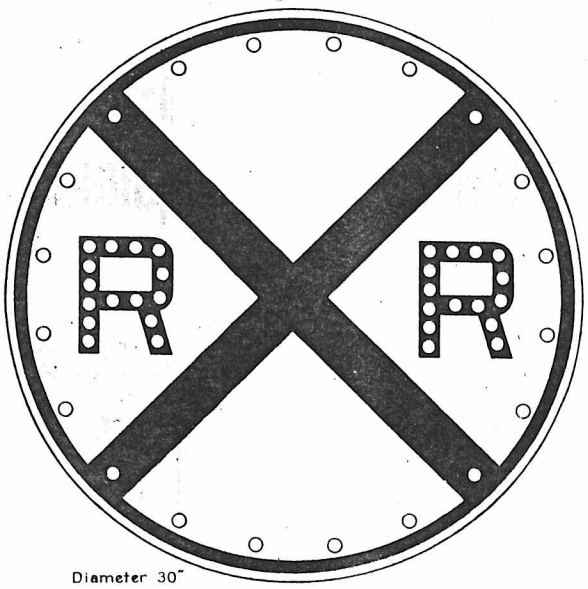
3/16

Fig. 142



5/16 320%

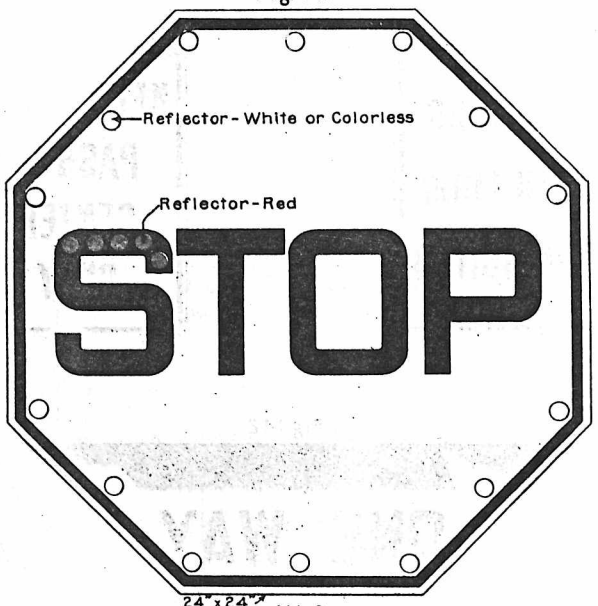
Fig. 145



Diameter 30"

W-1

Fig. 140



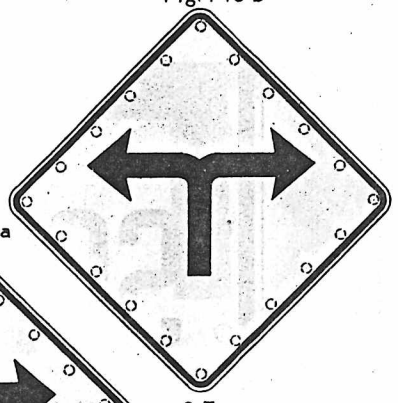
24" x 24"

W-3

Fig. 143-c

C-3

Fig. 143-b



C-7

Fig. 143-a

C-6

Fig. 143-e

C-21

Fig. 143-g

C-25

Fig. 143-d

C-5

Fig. 143-f

C-34

Fig. 143-h

C-22

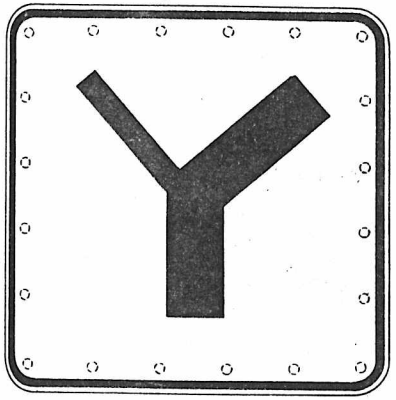
Fig. 144

C-10

Fig. 143

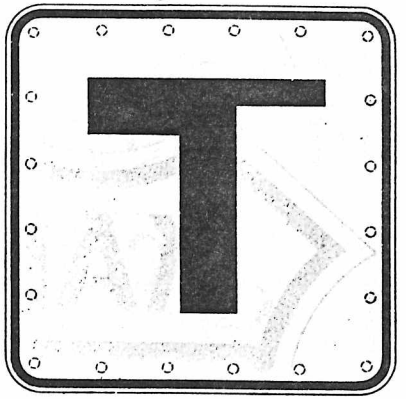
C-1

Fig. 144-a



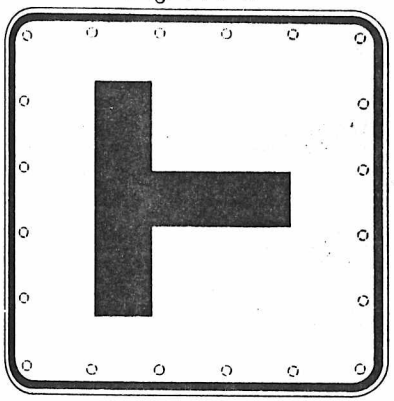
C-15

Fig. 144-a



C-16

Fig. 144-a



C-16-a

Fig. 144-d

C-26

Fig. 144-c

C-9

Fig. 144-b

C-29

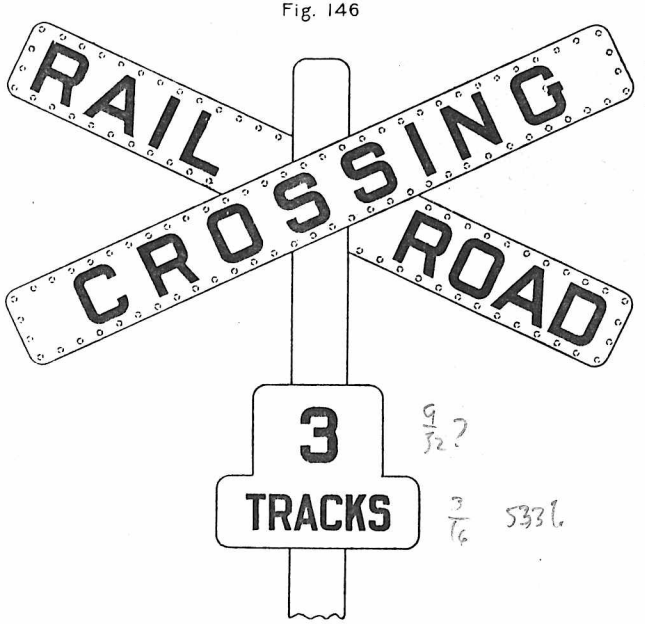
Fig. 147

M-1

Fig. 147-a

M-14

Fig. 146



W-2

Fig. 148-d

M-20

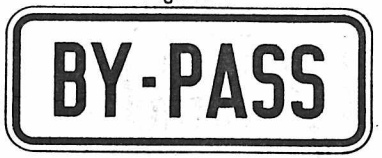
Fig. 148-c

M-32-a

Fig. 148-e

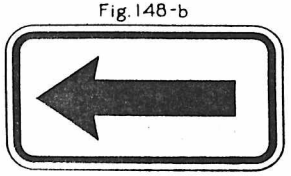
M-21

Fig. 148-f



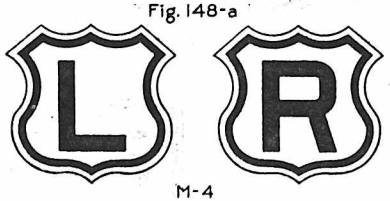
M-32-b

Fig. 148-b



M-19

Fig. 148-a

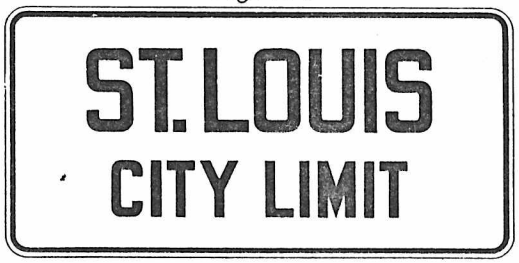


M-4

Fig. 149

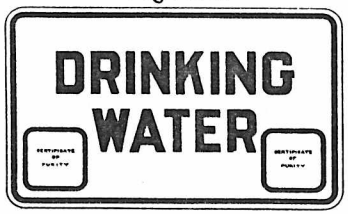
D-1

Fig. 149-a



D-11

Fig. 151-a



D-5

Fig. 151-b

D-10

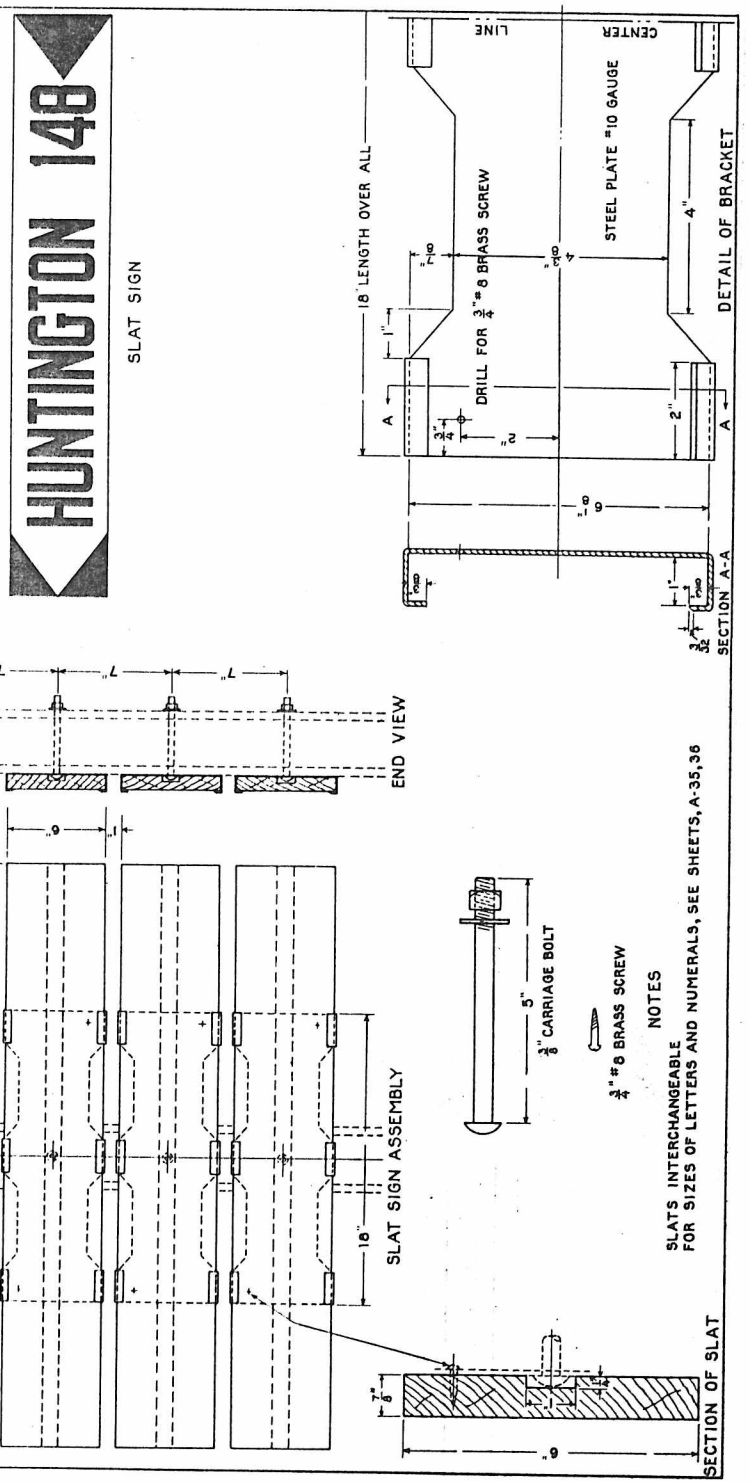
Fig. 151-c

D-7

Fig. 124

D-3

FIG. 150 – APPROVED DESIGN FOR SLAT GUIDE SIGNS WITH BRACKETS FOR MOUNTING ON POSTS



APPENDIX D

Index to Series of Working Drawings

Full size working drawings of the signs listed below are on file in the Bureau of Public Roads and the several state highway departments. Copies of individual sheets will be furnished to manufacturers and those responsible for the design, erection and maintenance of such signs upon direct application to the Bureau of Public Roads, Washington, D. C.

Guide Series

M-1 Blank for route marker.
M-2 Blank for turn marker.
M-3 Route marker design (2 digits). Requires also M-3; insets M-17, M-18, A-39, A-51, A-52, A-61 and A-40.
M-4 Turn marker design (right). Requires also M-2 and A-66.
M-5 State name insets for Wisconsin, Illinois, Missouri and Ohio. Requires also A-33 and A-45.
M-6 State name insets for Arkansas, Iowa, Minnesota and Indiana. Requires also A-33 and A-45.
M-7 State name insets for Alabama, Arizona, California and Colorado. Requires also A-33 and A-45.
M-8 State name insets for Connecticut, Delaware, Florida and Georgia. Requires also A-33, A-45 and A-61.
M-9 State name insets for Idaho, Kansas, Kentucky and Louisiana. Requires also A-33, A-45 and A-61.
M-10 State name insets for Maine, Maryland, Massachusetts and Michigan. Requires also A-33 and A-45.
M-11 State name insets for Mississippi, Montana, Nebraska and Nevada. Requires also A-17 and A-33.
M-12 State name insets for New Hampshire, New Jersey, New Mexico and New York. Requires also A-17, A-33 and A-77.
M-13 State name insets for North Carolina, North Dakota, Oklahoma and Oregon. Requires also A-17, A-33 and A-45.
M-14 State name insets for Pennsylvania, Rhode Island, South Carolina and South Dakota. Requires also A-17 and A-33.
M-15 State name insets for Tennessee, Texas, Utah and Vermont. Requires also A-17, A-45, A-61 and A-77.
M-16* State name insets for Virginia, Washington, West Virginia and Wyoming. Requires also A-17, A-33 and A-45.
M-17 Three-digit number inset. Requires also A-39, A-40 and A-61.
M-18 Two-digit number and letter inset. Requires also A-46, A-51, A-52 and A-61.
C-11 Narrow Bridge. Requires also A-35.
C-12 Narrow Road. Requires also A-35.
C-13 One Lane Bridge. Requires also A-35.
C-14 Pavement Ends. Requires also A-35.
C-15 Typical Intersection Diagram.
C-16 Typical Intersection Diagram.
C-16A Typical Intersection Diagram.
C-17 STOP Sign Ahead. Requires also A-19.
C-18 Dip. Requires also A-64, A-77, A-85 and A-86.
C-19
C-20
C-21 Winding Road. Requires also A-47.
C-22 Safety Zone. Requires also A-46.
C-23 Viaduct. Requires also A-37, A-38 and A-39.

* Spacing and width of stroke in state names are adjusted to dimensions of the shield and may be made up in a single die.

Guide Series (continued)

C-24 Car Line. Requires also A-47.
C-25 Draw Bridge. Requires also A-35.
C-26 Road Closed. Requires also A-35.
C-27 Tunnel. Requires also A-41, A-42 and A-43.
C-28 Detour Ahead. Requires also A-35.
C-29 Men Working. Requires also A-35.
C-30 Low Bridge. Requires also A-35.
C-31
C-32 Underpass. Requires also A-21, A-22 and A-23.
C-33
C-34 Bad Corner. Requires also A-47.
W-1 Railroad Advance Warning. Requires also A-70.
W-2 Railroad Crossbuck.

Regulatory Series

R-1 Load Limit 2 Tons per Axle. Requires also A-33.
R-2 No Dumping Allowed. Requires also A-33 and A-46.
R-3 No Parking At Any Time. Requires also A-33 and A-46.
R-4 Speed Limit 20 Miles. Requires also A-19 and A-48.
R-5 Tractor Sign. Requires also A-18.
R-6 Keep Right—Pass in Center Only. Requires also A-18.
R-7 Parking on Pavement Only. Requires also A-17 and A-33.
R-8 No Stopping. Requires also A-17 and A-46.
R-9 Watch Traffic Signals. Requires also A-18.
R-10 End 25 Mile Speed. Requires also A-19 and A-20.
R-10A Begin 25 Mile Speed. Requires also A-19 and A-20.
R-12 No Left Turn. Requires also A-46 and A-47.
R-13 One-Way. Do Not Enter. Requires also A-19.
R-14 Fresh Oil. Requires also A-37, A-38 and A-39.
R-15 No U Turn. Requires also A-46 and A-47.
R-16 No Parking This Side. Requires also A-33 and A-46.
R-17 Loose Gravel. Requires also A-21, A-22 and A-23.
R-18 Soft Shoulders. Requires also A-5 and A-6.
R-19 No Parking. Bus Stop. Requires also A-33 and A-46.
R-20 Parking Parallel. Requires also A-17.
R-20A Parking Diagonal. Requires also A-17.
R-21 Cattle Guard. Requires also A-45, A-47 and A-99.
M-19 Single arrow.
M-19A Double arrow.
M-20 Detour. Requires also A-35.
M-21 Alternate. Requires also A-4.
M-22
M-23 Business Route.
M-24
M-25
M-26
M-27
M-28
M-29
M-30
M-32A Junction. Requires also A-19.
M-32 B By-Pass. Requires also A-19.
M-33 Special shield inset showing 3 numerals and letter.
D-1 Directional sign. Two names.
D-2 County line sign.
D-3 Physical feature.
D-5 Drinking Water. Requires also A-18.
D-6 Blank for rest station.

Regulatory Series (continued)

D-7 Rest station design. Requires also A-17 and A-18.
D-8
D-9
D-10 Tourist Camp. Requires also A-19.
D-11 City Limit.
D-12 Village Limit.
D-13
D-14 Special sign (Constructed by U. S. Department of Agriculture, Bureau of Public Roads).
D-15
D-16
D-17
D-18
D-19

Warning Series

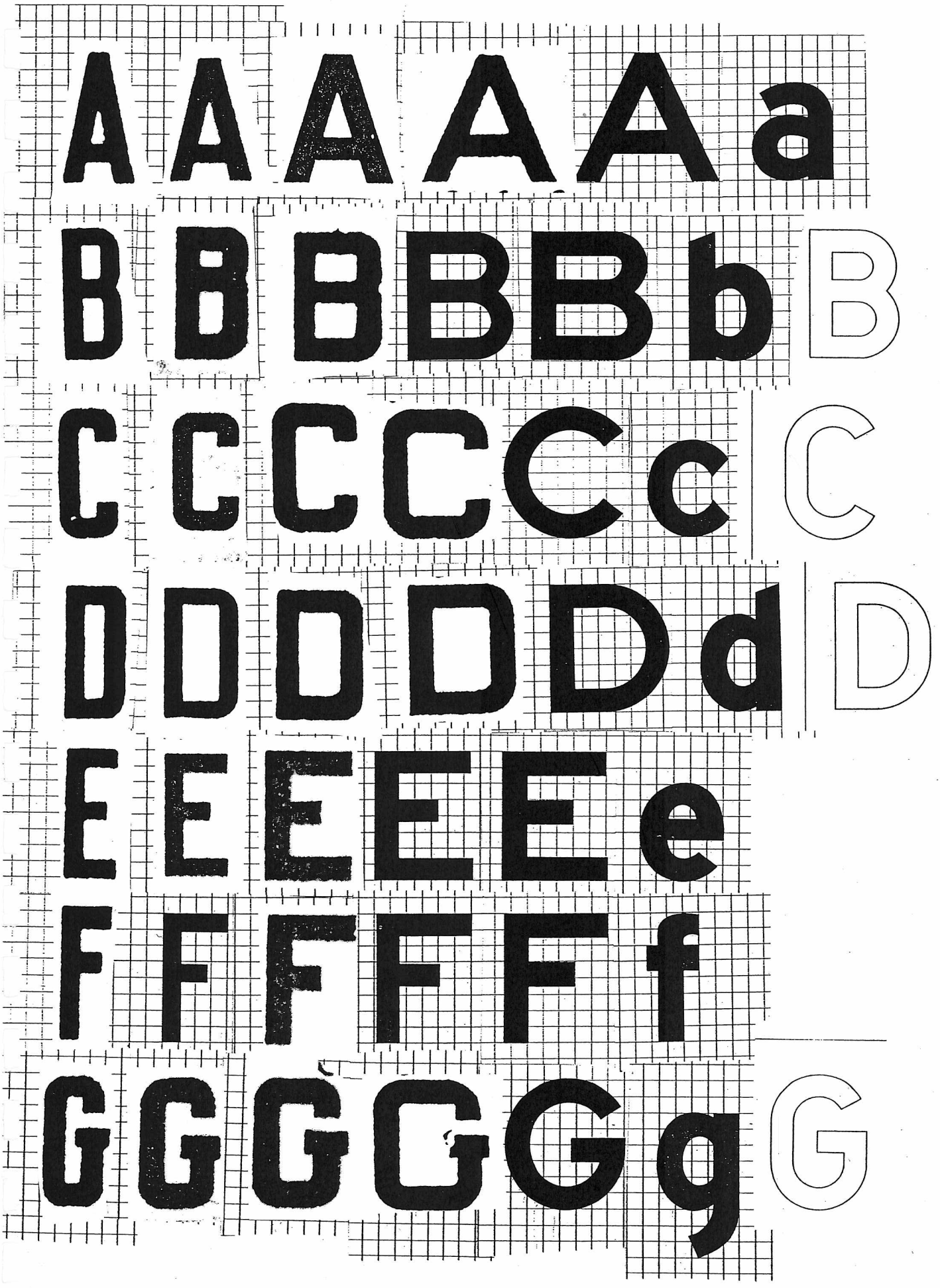
C-1 Hill. Requires also A-73 and A-74.
C-2
C-3 Curve (Right).
C-4 Curve (Left).
C-5 Reverse Curve (Right).
C-5A Reverse Curve (Left).
C-6 Turn Right.
C-6A Turn Left.
C-7 Two-Way arrow.
C-8
C-9 Hospital. Requires also A-35.
C-10 School. Requires also A-25, A-26 and A-27.
R-22 Slippery When Wet. Requires also A-21, A-22 and A-23.
R-23 Church. Requires also A-25, A-26 and A-27.
R-24 Playground. Requires also A-19.
R-25 Quiet Zone. Requires also A-37, A-38 and A-39.
W-3 STOP sign. Requires also A-70 and A-71.
W-3A STOP sign inset. Requires also A-18.

Alphabet Series

A-1 2-inch Series A, letters and digits.
A-2 3-inch Series A, letters and digits.
A-3 4-inch Series A, letters A to Y.
A-4 4-inch Series A, letter Z and digits 0 to 9.
A-5 5-inch Series A, letters A to T.
A-6 5-inch Series A, letters U to Z and digits 0 to 9.
A-17 2-inch Series B, letters and digits.
A-18 3-inch Series B, letters and digits.
A-19 4-inch Series B, letters A to Y.
A-20 4-inch Series B, letter Z and digits 0 to 9.
A-21 5-inch Series B, letters A to I.
A-22 5-inch Series B, letters J to R.
A-23 5-inch Series B, letters S to Z and digit 0.
A-24 5-inch Series B, digits 1 to 9.
A-25 6-inch Series B, letters A to I.
A-26 6-inch Series B, letters J to R.
A-27 6-inch Series B, letters S to Z and digit 0.
A-28 6-inch Series B, digits 1 to 9.
A-33 2-inch Series C, letters and digits.
A-34 3-inch Series C, letters and digits.
A-35 4-inch Series C, letters A to Y.
A-36 4-inch Series C, letter Z and digits 0 to 9.
A-37 5-inch Series C, letters A to I.

Alphabet Series (continued)

A-38 5-inch Series C, letters J to R.
A-39 5-inch Series C, letters S to Z and digit 0.
A-40 5-inch Series C, digits 1 to 9.
A-41 6-inch Series C, letters A to I.
A-42 6-inch Series C, letters J to R.
A-43 6-inch Series C, letters S to Z and digit 0.
A-44 6-inch Series C, digits 1 to 9.
A-45 2-inch Series D, letters and digits.
A-46 3-inch Series D, letters and digits.
A-47 4-inch Series D, letters A to Y.
A-48 4-inch Series D, letter Z and digits 0 to 9.
A-49 5-inch Series D, letters A to I.
A-50 5-inch Series D, letters J to R.
A-51 5-inch Series D, letters S to Z and digit 0.
A-52 5-inch Series D, digits 1 to 9.
A-53 6-inch Series D, letters A to I.
A-54 6-inch Series D, letters J to R.
A-55 6-inch Series D, letters S to Z and digit 0.
A-56 6-inch Series D, digits 1 to 9.
A-61 2-inch Series E, letters and digits.
A-63 4-inch Series E, letters A to Z.
A-64 4-inch Series E, letter Z and digits 0 to 9.
A-65 5-inch Series E, letters A to I.
A-66 5-inch Series E, letters J to R.
A-67 5-inch Series E, letters S to Z and digit 0.
A-68 5-inch Series E, digits 1 to 9.
A-69 6-inch Series E, letters A to I.
A-70 6-inch Series E, letters J to R.
A-71 6-inch Series E, letters S to Z and digit 0.
A-71A 5-inch rounded letters C, D, G, J, O, P, Q, R, S, T, U and B.
A-73 8-inch Series E, letters A to I.
A-74 8-inch Series E, letters J to R.
A-75 8-inch Series E, letters S to Z and digit 0.
A-76 8-inch Series E, digits 1 to 9.
A-77 2-inch Series F, letters and digits.
A-78 3-inch Series F, letters and digits.
A-85 6-inch Series F, letters A to I.
A-86 6-inch Series F, letters J to R.
A-87 6-inch Series F, letters S to Z and digit 0.
A-91 8-inch Series F, letters S to Z and digit 0.
A-92 8-inch Series F, digits 1 to 9.
A-93 8-inch Series C, letters A to I.
A-94 8-inch Series C, letters J to R.
A-95 8-inch Series C, letters S to Z and digit 0.
A-96 8-inch Series C, digits 1 to 9.
A-97 1½-inch Series F, letters and digits.
A-98 3½-inch Series C, letters A to Y.
A-99 3½-inch Series C, letter Z and digits 0 to 9.
A-100 3½-inch Series E, letters A to Y.
A-101 3½-inch Series E, letter Z and digits 0 to 9.
A-102 1½-inch Series D, letters and digits.
A-103 3½-inch Series B, letters A to Y.
A-104 3½-inch Series B, letter Z and digits 0 to 9.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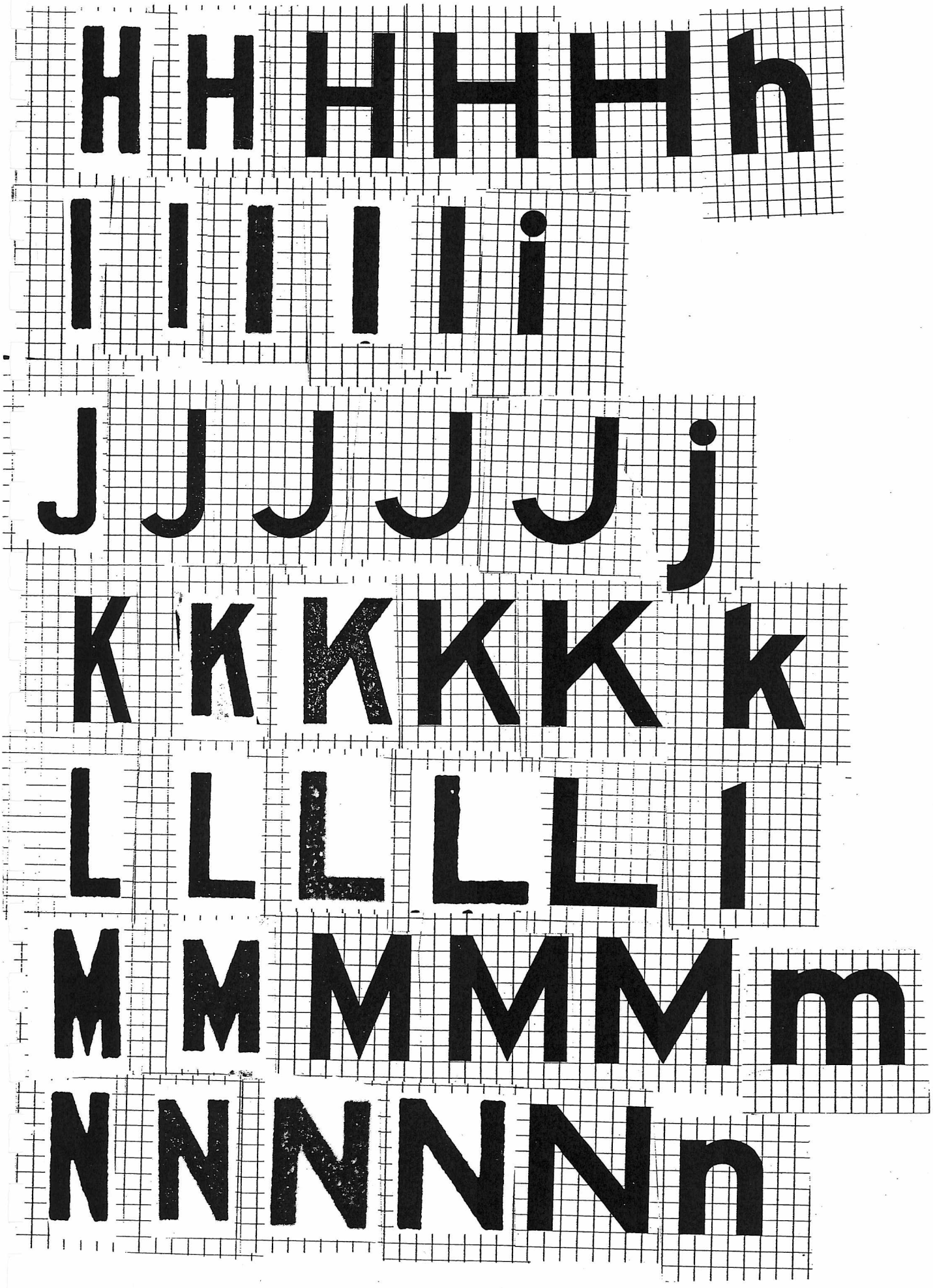
B B B B B b B
C C C C C c C
D D D D D d D
E E E E E e
F F F F F f
G G G G G g G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J J J J J j
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L L L L l
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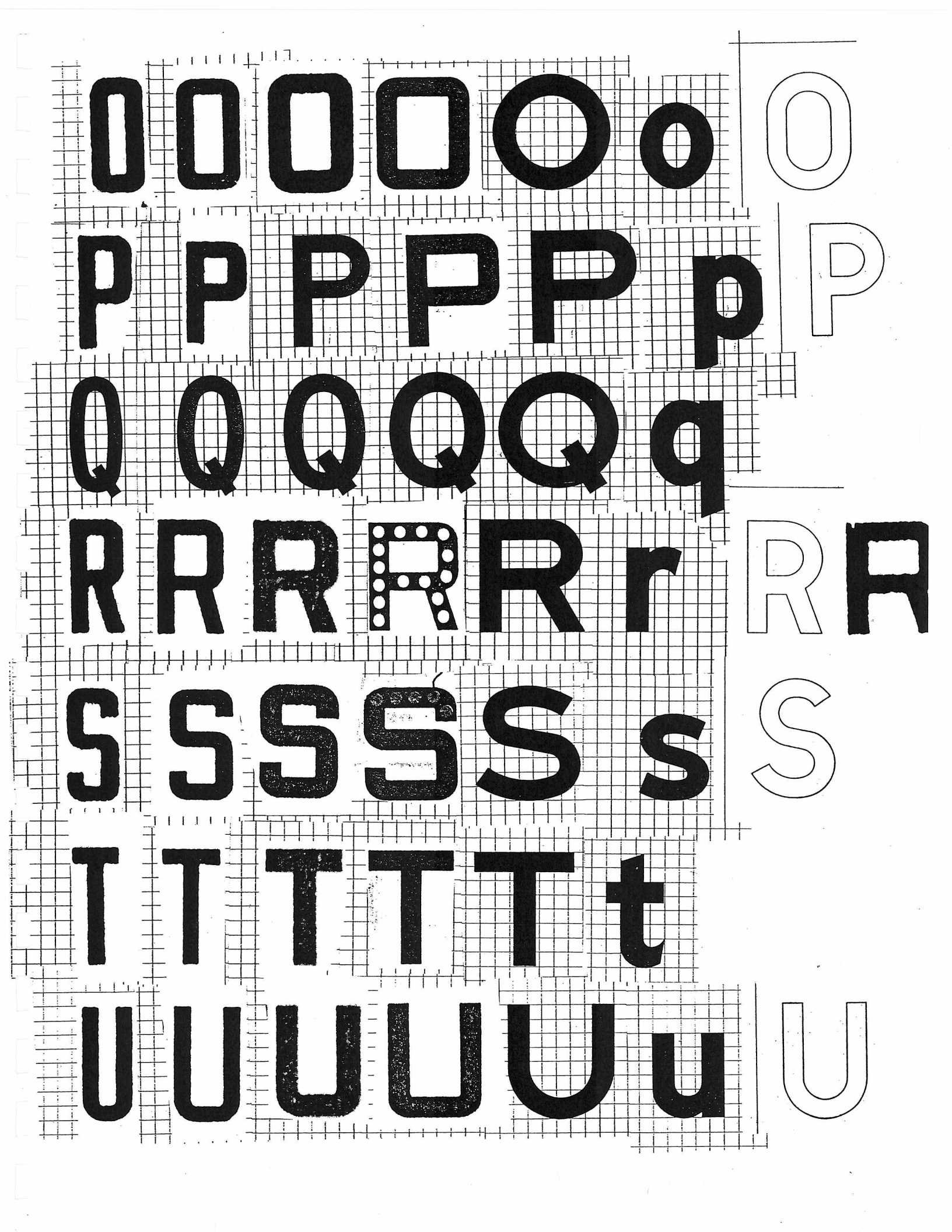

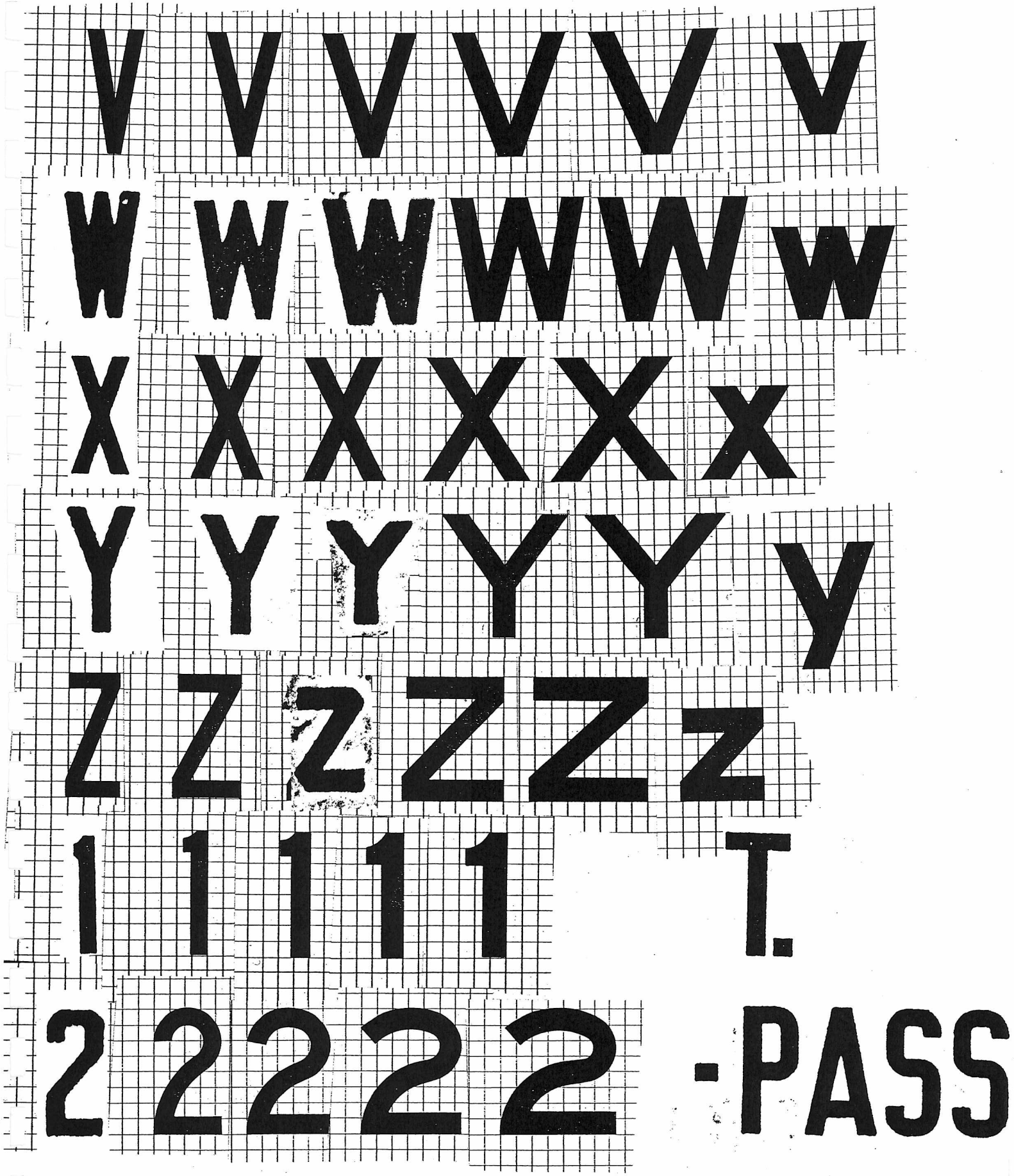
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X X X X X x
Y Y Y Y Y y
Z Z Z Z Z
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T.
2 2 2 2 2
-PASS

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5 5 5 5 5

6 6 6 6 6

7 7 7 7 7

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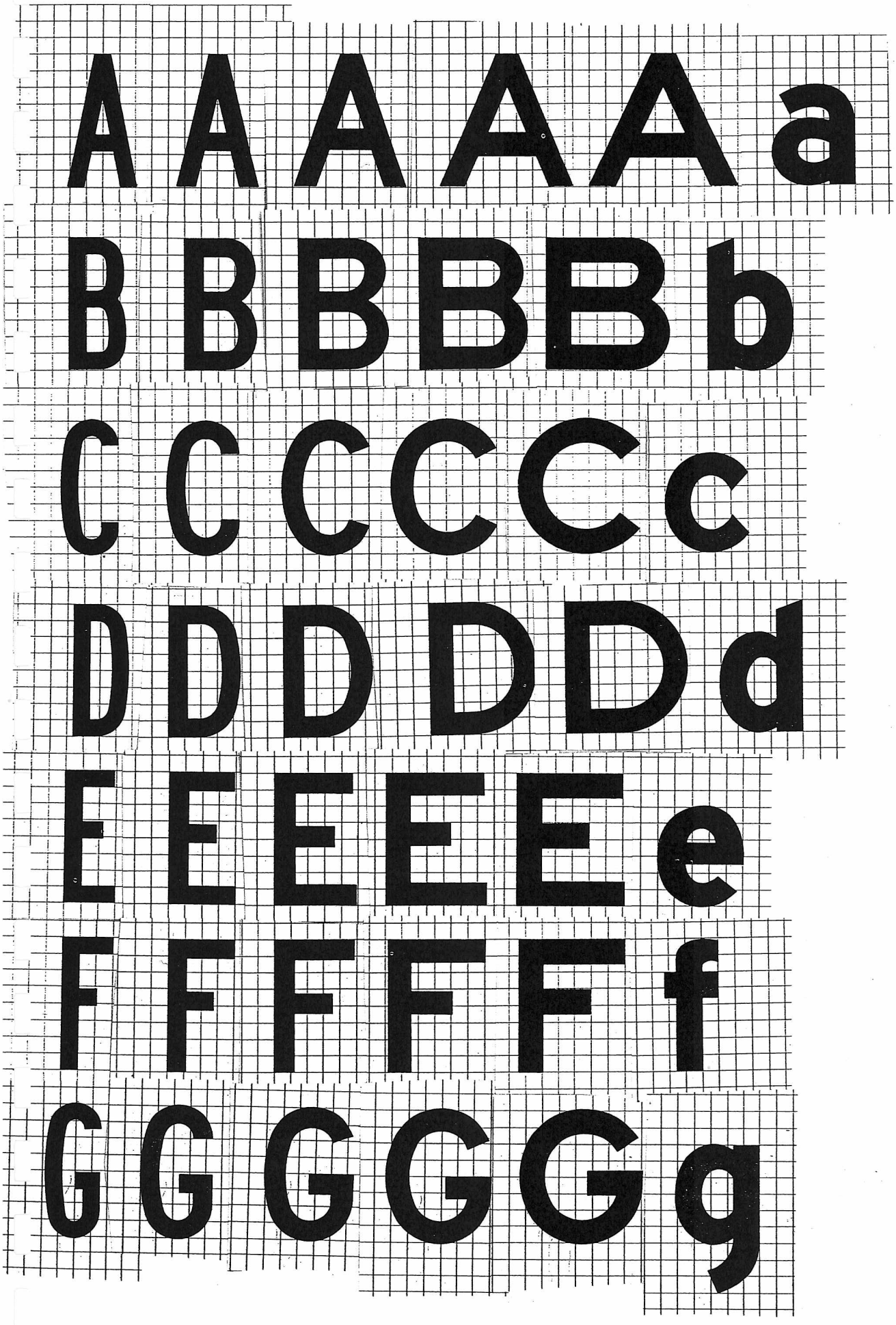
0 0 0 0 0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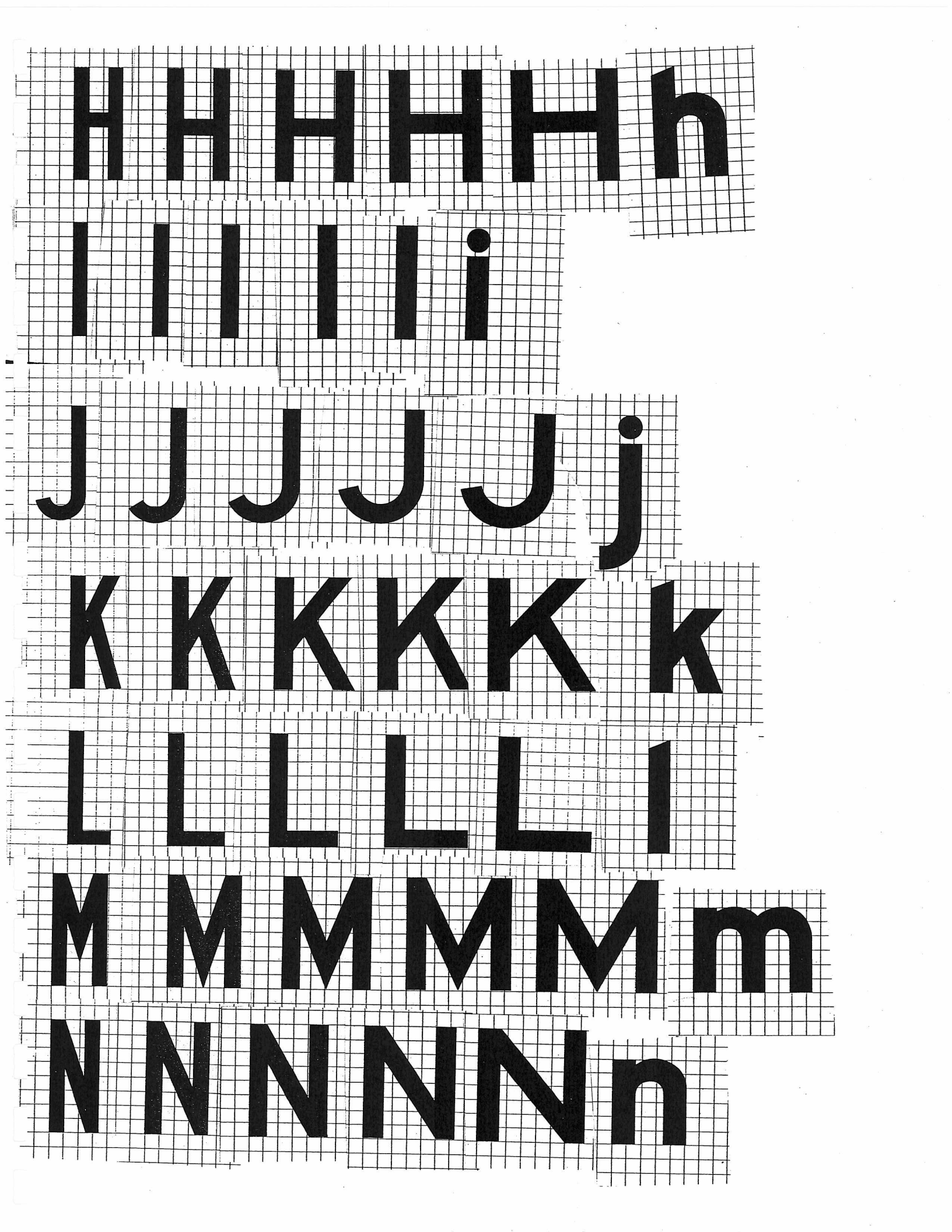
G G G G G g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J J J J J j
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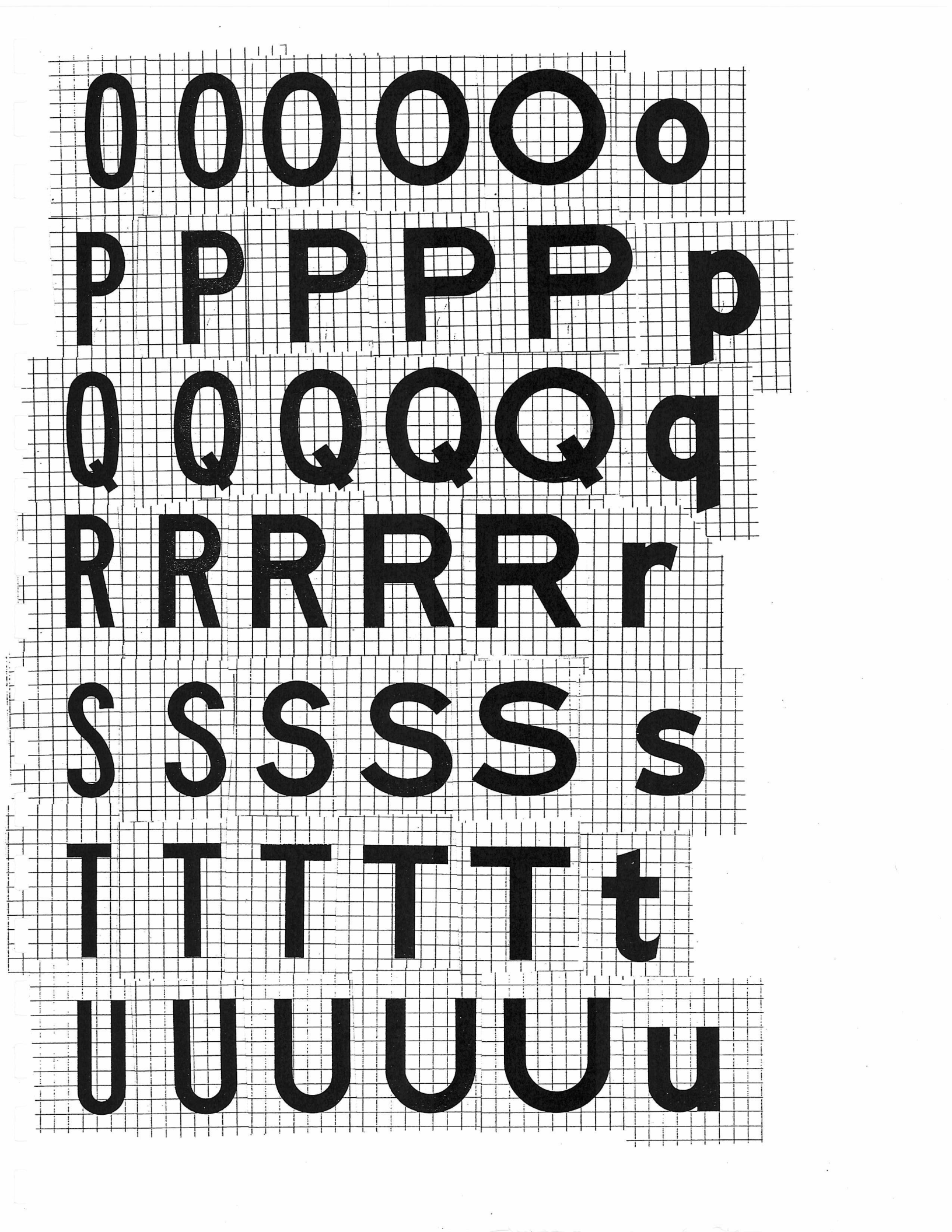
N N N N n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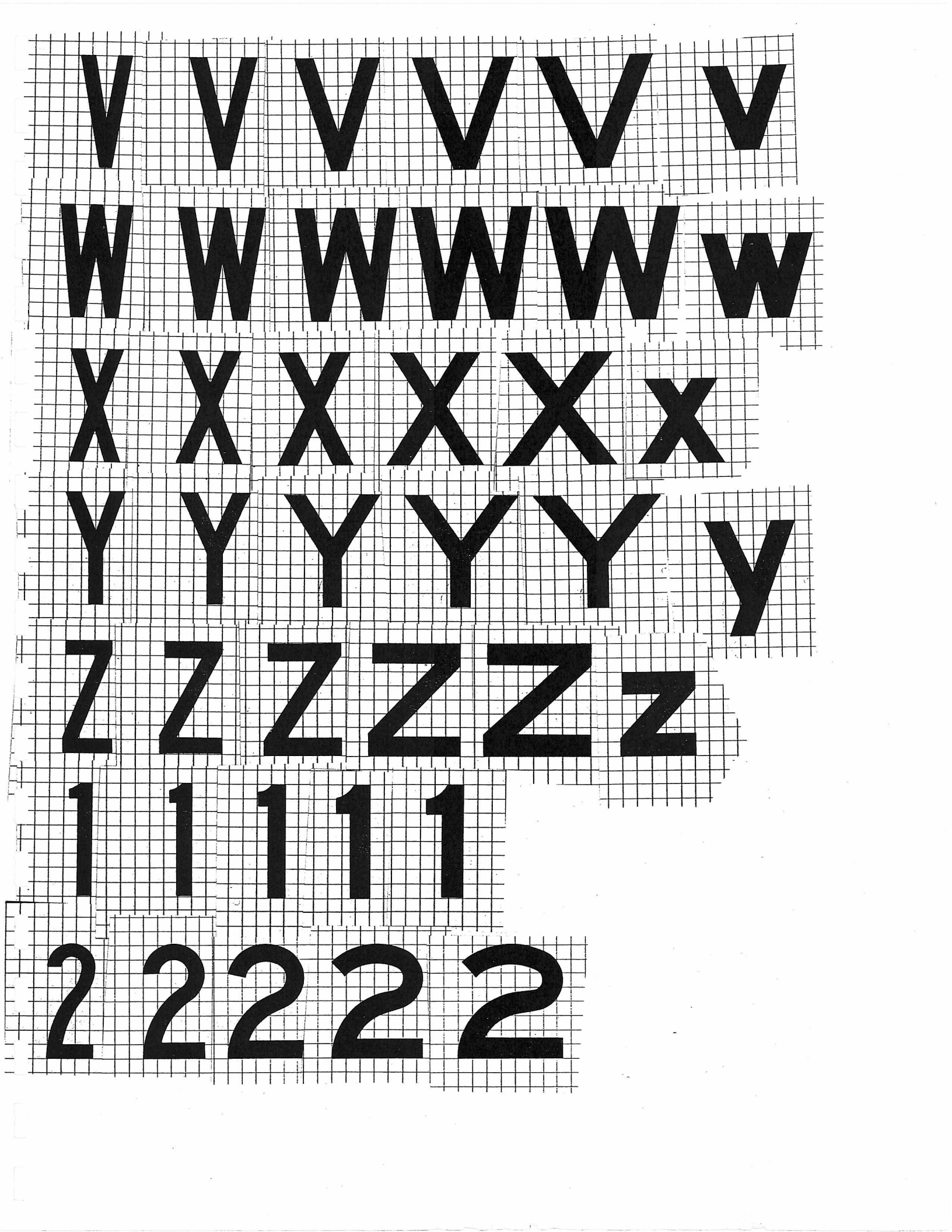
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W W W W W w
X X X X X x
Y Y Y Y Y y
Z Z Z Z Z z
1 1 1 1 1
2 2 2 2 2

3 3 3 3 3

4 4 4 4 4

5 5 5 5 5

6 6 6 6 6

7 7 7 7 7

8 8 8 8 8

9 9 9 9 9

0 0 0 0 0